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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/060,994	02/01/2002	Leland Yi	3545P2425	6598

23504 7590 02/03/2004

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4204 NORTH BROWN AVENUE  
SCOTTSDALE, AZ 85251

EXAMINER

DEWITTE, CONRAD J

ART UNIT	PAPER NUMBER
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2673

DATE MAILED: 02/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/060,994

Applicant(s)

YI, LELAND

Examiner

Conrad J. DeWitte

Art Unit

2673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 01 February 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 February 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_ 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Drawings*

1. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. *See* MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.
2. The drawings are objected to as failing to comply with 37 C.F.R. § 1.84(p)(4) because reference character “180” in Figure 2 has been used to designate both the image receiver and the image converter. According to the Specification at page 8, the image receiver should be labeled “170”. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.
3. The drawings are objected to as failing to comply with 37 C.F.R. § 1.84(p)(4) because reference characters “130” and “150” have both been used to designate the input-key signal generator in Figures 2 and 3. According to the Specification at page 8, the input-key signal generator should be labeled “150” in both Figures 2 and 3. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-7, and 9 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Feierbach U.S. Pat Appl'n Pub. No. 2002/0080231 A1 further in view of Oh, U.S. Pat. No. 5,629,722 A.

6. Regarding claim 1, Feierbach discloses a wired keyboard with a built-in web camera, which includes a plurality of input keys, comprising, in combination: a second input part for receiving image data, converting said image data into a digital image signal, and transmitting said digital image signal (§ 0034, this element is inherent to the video camera, Fig. 1, element 15); an integrated processing part for receiving data (§ 0036), wherein said data comprise at least one selected from a group consisting of said input key data and said converted image data (§ 0041), assigning a predetermined identification code to said data (§ 0034, 0041, inherent to the digital video camera, Fig. 1, element 15, and the alphanumeric group of keys, Fig. 1, element 5A), and converting said identification-coded data into a predetermined data format (§ 0034, 0038); and a transmitter for transmitting said data converted by said integrated processing part to a terminal device (§ 0044). Feierbach does not disclose a first input part for producing a code corresponding to an input key selected by a user, generating input key data corresponding to said code, and transmitting said input key data. However, Oh does disclose this feature. Col. 1, lines 28-35. It would have been obvious to one of ordinary skill in the art to combine the teachings of

Feierbach and Oh because Oh merely discloses a conventional keyboard control system that could be used by Feierbach.

7. Regarding claim 2, Feierbach further discloses that said second input part can be separated from said wired keyboard. ¶ 0043.

8. Regarding claim 3, Oh further discloses that said first input part comprises, in combination: an input key signal generator for producing said code corresponding to an input key selected by said user (col. 1, lines 39-43; Fig. 1, element 2); and an input key data generator for producing said input key data corresponding to said code (col. 1, lines 44-46; Fig. 1, element 3).

9. Regarding claim 4, Feierbach further discloses that said second input part comprises, in combination: an image receiver for receiving said image data (¶ 0034; Fig. 1, element 15); and an image converter for converting and transmitting said image data into said digital image data (¶ 0034, inherent to the digital video and still picture camera, Fig. 1, element 15).

10. Regarding claim 5, Feierbach further discloses that said image receiver includes a lens, which can be controlled in an up, down, right and left direction. ¶ 0034.

11. Regarding claim 6, Oh further discloses that said first input part further comprises a first memory for storing a predetermined amount of said input key data for a predetermined time period. Col. 1, line 62, Fig. 2, element 16.

12. Regarding claim 7, Feierbach further discloses that said second input part further comprises a second memory for storing a predetermined amount of said image data converted by said integrated processing part for a predetermined time. ¶ 0036.

13. Regarding claim 9, Feierbach discloses an integrated processing part of a wired keyboard including an input key part (§ 0033; Fig. 1, element 5) and a web camera part (§ 0034, Fig. 1, element 15) comprising, in combination: a receiver for receiving data, wherein said data comprise at least one selected from a group consisting of input key data inputted from said input key part and image data inputted from said web camera part (§ 0041); and a converter for converting and transmitting said identification-coded data into a predetermined data format (§ 0034, 0038). Feierbach fails to disclose an identification code generator for producing and assigning a predetermined identification code to said received data. However, Oh does disclose this feature. Col. 1, lines 39-46.

14. Claim 8 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Oh further in view of Feierbach.

15. Oh discloses an input key signal generator for producing and transmitting a predetermined data code corresponding to an input key selected by said user, wherein said input key signal generator includes a device generating said predetermined code data corresponding to each input key (col. 1, lines 39-43; Fig. 1, element 2); and an input key data generator for producing an input key data corresponding to said data code (col. 1, lines 44-46; Fig. 1, element 3), wherein said input key signal generator transmits said data code through at least one route (col. 1, lines 44-46) and said input key data generator can discriminate a valid data code from an invalid data code (col. 3, lines 15-20). Oh fails to disclose a wired keyboard with a built-in web camera. However, Feierbach does disclose a wired keyboard with a built-in web camera. § 0034; Fig. 1, elements 5, 15. It would have been obvious to one of ordinary skill in the art to

combine the teachings of Feierbach and Oh because Oh merely discloses a conventional keyboard control system that could be used by Feierbach.

*Conclusion*

16. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- Akiyama et al., U.S. Pat. No. 6,597,343 B1 (disclosing a keyboard device having terminal connectable to peripheral device)
- Siddoway et al., U.S. Pat. No. 6,473,631 B1 (disclosing a video swivel phone)
- Kikinis, U.S. Pat. No. 5,841,424 A (disclosing a USB to multiple connect and support bays for peripheral devices)
- Takeuchi et al., U.S. Pat. No. 4,888,648 A (disclosing an electronic album)
- Anderson et al., U.S. Pat. No. 4,291,198 A (disclosing a general-purpose electronic telephone station set)
- Yi, U.S. Pat. Appl'n Pub. No. 2003/0197685 A1 (disclosing a wireless keyboard with a built-in web camera)
- Colantonio et al., U.S. Pat. Appl'n Pub. No. 2003/0006957 A1 (disclosing a method and system for automatically covering video display of sensitive information)
- Arai et al., U.S. Pat. Appl'n Pub. No. 2002/0160724 A1 (disclosing a mobile information communicating terminal device having a video camera)
- Hamilton, U.S. Pat. Appl'n Pub. No. 2001/0013891 A1 (disclosing a video conferencing terminal)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Conrad J. DeWitte whose telephone number is (703) 305-8626. The examiner can normally be reached on Monday through Friday, 8 a.m. to 4:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Mancuso can be reached on (703) 305-4938. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

CJD

A handwritten signature in black ink, appearing to be 'CJD', is written over a faint, rectangular stamp. The signature is stylized with a large loop and a long, sweeping stroke. The stamp is partially obscured by the signature.